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Substitute for form 1449B PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/626,583
Date Submitted: August 12, 2003		Filing Date	07/25/2003
(use as many sheets as necessary)		First Named Inventor	Ole SIBBESEN et al
		Group Art Unit	1652
		Examiner Name	Unassigned
		Attorney Docket Number	078883-0165

Sheet 1 of 3

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
MR	A1	5,405,769		CAMPBELL ET AL.	04/11/1995	
MR	A2	5,306,633		GOTTSCALK ET AL.	04/26/1994	
MR	A3	6,346,407	B1	DE BUYL ET AL.	02/12/2002	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
MR	A4	EP	0 828 002		CANADA NAT. RES. COUNCIL	03/11/1998		
	A5	EP	0 979 830		TNO	02/16/2000		
	A6	WO	95/23515		NOVONORDISK AS	09/08/1995		
	A7	WO	98/49278		K.U. LEUVEN RESEARCH & DEVELOPMENT	11/05/1998		
	A8	EP	0184438		ALLELIX INC.	08/11/1988		
	A9	EP	0284603		ALLELIX INC.	10/23/1986		
	A10	EP	0134048		GIST-BROCADES N.V.	03/13/1985		
	A11	EP	0253455		GIST-BROCADES N.V.	01/20/1988		
	A12	EP	0096430		GIST-BROCADES N.V.	12/21/1983		
	A13	EP	0301670		GIST-BROCADES N.V.	02/01/1989		
	A14	EP	120516		SCHILPERPOORT ET AL.	10/03/1984		
	A15	EP	0449374		GIST-BROCADES N.V.	10/02/1991		
	A16	EP	0 698 667	A1	GENENCOR INT.	02/28/1996		ABS.
	A17	WO	83/04050	A1	GIST-BROCADES N.V.	11/24/1983		
MR	A18	WO	86/06097	A1	ALLELIX, INC.	10/23/1986		

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
MR	A19	McLAUCHLAN, W. Russell et al., "A novel class of protein from wheat which inhibits xylanases 1", <i>Biochem. J.</i> , 338, ©1999 Biochemical Society, pp. 441-446, (1999)	

Examiner Signature

/Manjunath Rao/ (05/11/2006)

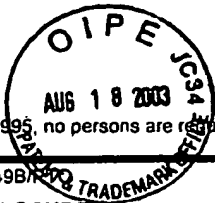
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449B/PTO & TRADEMARK OFFICE		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/626,583
Date Submitted: August 12, 2003		Filing Date	07/25/2003
(use as many sheets as necessary)		First Named Inventor	Ole SIBBESEN
		Group Art Unit	1652
		Examiner Name	Unassigned
		Attorney Docket Number	078883-0165
Sheet	2	of	3

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MR	A20	DEBYSER, W. et al., "Triticum aestivum Xylanase Inhibitor (TAXI), a New Class of Enzyme Inhibitor Affecting Breadmaking Performance", <i>Journal of Cereal Science</i> , 30, ©Academic Press, pp. 39-43, (1999)	
	A21	PAICE, Michael G. et al., "A xylanase gene from <i>Bacillus subtilis</i> : nucleotide sequence and comparison with <i>B. pumilus</i> gene", <i>Arch Microbiol.</i> , 144, © Springer-Verlag 1986, pp. 201-206, (1986)	
	A22	WOLF, Monika et al., "Genes encoding xylan and $\beta$ -glucan hydrolysing enzymes in <i>Bacillus subtilis</i> : characterization, mapping and construction of strains deficient in lichenase, cellulase and xylanase", <i>Microbiology</i> , 141., pp. 281-290, (1995)	
	A23	YU, Ju-Hyun et al., "Nucleotide Sequence and Analysis of a Xylanase gene ( <i>xyaS</i> ) from Alkali-tolerant <i>Bacillus</i> sp. YA-14 and Comparison with Other Xylanases", <i>Journal of Microbiology and Biotechnology</i> , Vol. 3, No. 3, pp. 139-145, (1993)	
	A24	YANG, Robert C. et al., "Nucleotide sequence of a <i>Bacillus circulans</i> xylanase gene", <i>Nucleic Acids Research</i> , Vol. 16, Number 14, ©IRL Press Limited, p. 7187, (1988)	
	A25	ROUAUX, X. et al., "Evidence for the Presence of a Pentosanase Inhibitor in Wheat Flours", <i>Journal of Cereal Science</i> , 28, ©1998 Academic Press, pp. 63-70, (1998)	
	A26	DEBYSER, Winok et al., "Arabinoxylan Solubilization and Inhibition of the Barley Malt Xylanolytic System by Wheat During Mashing with Wheat Wholemeal Adjunct: Evidence for a New Class of Enzyme Inhibitors in Wheat", <i>J. Am Soc. Brew. Chem.</i> , 55(4), pp. 153-166, (1997)	
	A27	MAAT et al., "Xylanases and their application in bakery", <i>Xylans and Xylanases</i> (1992), J. Visser et al., ed., pp. 349-360, Elsevier Science Publishers B.V..	
	A28	FINCHER et al., "Cell Walls and Their Components in Cereal Grain Technology," <i>Advances in Cereal Technology</i> , (1986), Vol. VIII (Pomeranz, ed.), AACC, St. Paul, Minnesota, pp. 207-295.	
	A29	MEUSER et al., "Non-starch Polysaccharides," <i>Chemistry and Physics of Baking</i> , (1985), Royal Society of Chemistry, London, pp. 42-61.	
	A30	MCCLEARY, "Enzymatic modification of plant polysaccharides," <i>International Journal of Biological Macromolecules</i> , (1986) Vol. 8, pp. 349-354, Butterworth & Co..	
	A31	SLEAT et al., "Characterisation of the 5'-leader sequence of tobacco mosaic virus RNA as a general enhancer of translation in vitro," <i>Gene</i> (1987), Vol. 217, pp. 217-225, Elsevier Science Publishers B.V.	
MR	A32	DOWSON DAY et al., "Plant viral leaders influence expression of a reporter gene in tobacco," <i>Plant Mol. Biol.</i> (1993), Vol. 23, pp. 97-109, Kluwer Academic Publishers.	

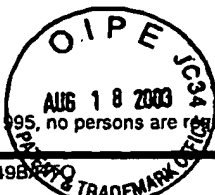
Examiner Signature	/Manjunath Rao/ (05/11/2006)	Date Considered	
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Substitute for form 1449B-000

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Date Submitted: August 12, 2003

(use as many sheets as necessary)

**Complete If Known**

Application Number	10/626,583
Filing Date	07/25/2003
First Named Inventor	Ole SIBBESEN et al.
Group Art Unit	1852
Examiner Name	Unassigned
Attorney Docket Number	078883-0165

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MR	A33	AN et al., "Transformation of Tobacco, Tomato, Potato and <i>Arabidopsis thaliana</i> Using a Binary Ti Vector System," <i>Plant Physiol.</i> (1986), Vol. 81, pp. 301-305.	
	A34	BUTCHER et al., "The role of tissue culture in the study of crown-gall tumorigenesis," <i>Tissue Culture Methods for Plant Pathologists</i> (1980), pp. 203-208.	
	A35	POTRYKUS, "Gene Transfer to Plants: Assessment of Published Approaches and Results," <i>Annu. Rev. Plant Physiol Plant Mol. Biol.</i> (1991), Vol. 42, pp. 205-225.	
	A36	WINTER ET AL., "Man-made antibodies," <i>Nature</i> (1991), Vol. 349, pp. 293-299.	
	A37	ORLANDI ET AL., "Cloning immunoglobulin variable domains for expression by the polymerase chain reaction," <i>Proc Natl. Acad. Sci.</i> (1989), Vol. 86, pp. 3833-3837.	
	A38	TAKEDA ET AL., "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences," <i>Nature</i> (1985), Vol. 314, pp. 452-454.	
	A39	NEUBERGER ET AL., "Recombinant antibodies possessing novel effector functions," <i>Nature</i> (1984), Vol. 312, pp. 604-608.	
	A40	MORRISON ET AL., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci.</i> (1984), Vol. 81, pp. 6851-6855.	
	A41	COLE ET AL., "The EBV-Hybridoma Technique and its application to human lung cancer," <i>Monoclonal Antibodies and Cancer Therapy</i> (1985), Reisfeld et al., ed., pp. 77-96.	
	A42	COTE ET AL., "Generation of human monoclonal antibodies reactive with cellular antigens," <i>Proc. Natl. Acad. Sci.</i> (1983), Vol. 80, pp. 2026-2030.	
	A43	KOZBOR ET AL., "The production of monoclonal antibodies from human lymphocytes," <i>Immunol Today</i> (1983), Vol. 4, No. 3, pp. 72-79.	
MR	A44	Koehler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> (1975), Vol. 256, pp. 495-497.	

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Signature

/Manjunath Rao/ (05/11/2006)

Date  
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